

Sergei D Odintsov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

248
papers

31,629
citations

81
h-index

176
g-index

253
ext. papers

36,050
ext. citations

4.1
avg, IF

8
L-index

#	Paper	IF	Citations
248	Unified cosmic history in modified gravity: From F(R) theory to Lorentz non-invariant models. <i>Physics Reports</i> , 2011 , 505, 59-144	27.7	2481
247	INTRODUCTION TO MODIFIED GRAVITY AND GRAVITATIONAL ALTERNATIVE FOR DARK ENERGY. <i>International Journal of Geometric Methods in Modern Physics</i> , 2007 , 04, 115-145	1.5	1921
246	Modified gravity with negative and positive powers of curvature: Unification of inflation and cosmic acceleration. <i>Physical Review D</i> , 2003 , 68,	4.9	1503
245	Dark energy cosmology: the equivalent description via different theoretical models and cosmography tests. <i>Astrophysics and Space Science</i> , 2012 , 342, 155-228	1.6	1298
244	f(R,T) gravity. <i>Physical Review D</i> , 2011 , 84,	4.9	1183
243	Modified gravity theories on a nutshell: Inflation, bounce and late-time evolution. <i>Physics Reports</i> , 2017 , 692, 1-104	27.7	1051
242	Properties of singularities in the (phantom) dark energy universe. <i>Physical Review D</i> , 2005 , 71,	4.9	872
241	Late-time cosmology in a (phantom) scalar-tensor theory: Dark energy and the cosmic speed-up. <i>Physical Review D</i> , 2004 , 70,	4.9	750
240	Modified Gauss-Bonnet theory as gravitational alternative for dark energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 631, 1-6	4.2	736
239	Quantum de Sitter cosmology and phantom matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 562, 147-152	4.2	733
238	Modified f(R) gravity consistent with realistic cosmology: From a matter dominated epoch to a dark energy universe. <i>Physical Review D</i> , 2006 , 74,	4.9	658
237	Inhomogeneous equation of state of the universe: Phantom era, future singularity, and crossing the phantom barrier. <i>Physical Review D</i> , 2005 , 72,	4.9	575
236	Unifying phantom inflation with late-time acceleration: scalar phantom non-phantom transition model and generalized holographic dark energy. <i>General Relativity and Gravitation</i> , 2006 , 38, 1285-1304	2.3	562
235	Cosmological viability of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 135-143	4.2	521
234	Dark energy in modified Gauss-Bonnet gravity: Late-time acceleration and the hierarchy problem. <i>Physical Review D</i> , 2006 , 73,	4.9	510
233	Gauss-Bonnet dark energy. <i>Physical Review D</i> , 2005 , 71,	4.9	493
232	Final state and thermodynamics of a dark energy universe. <i>Physical Review D</i> , 2004 , 70,	4.9	446

231	Modified Gravity with In R Terms and Cosmic Acceleration. <i>General Relativity and Gravitation</i> , 2004 , 36, 1765-1780	2.3	365
230	Unifying inflation with Λ DM epoch in modified . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 657, 238-245	4.2	342
229	Where new gravitational physics comes from: M-theory?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 576, 5-11	4.2	322
228	One-loop $f(R)$ gravity in de Sitter universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005 , 2005, 010-010	6.4	320
227	The future of the universe in modified gravitational theories: approaching a finite-time future singularity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008 , 2008, 045	6.4	282
226	Dark energy dominance and cosmic acceleration in first-order formalism. <i>Physical Review D</i> , 2005 , 72,	4.9	281
225	Modified $f(R)$ gravity unifying R_m inflation with the Λ DM epoch. <i>Physical Review D</i> , 2008 , 77,	4.9	280
224	Unified phantom cosmology: Inflation, dark energy and dark matter under the same standard. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 632, 597-604	4.2	275
223	Consistent modified gravity: dark energy, acceleration and the absence of cosmic doomsday. <i>Classical and Quantum Gravity</i> , 2005 , 22, L35-L42	3.3	268
222	Dark energy cosmology from higher-order, string-inspired gravity, and its reconstruction. <i>Physical Review D</i> , 2006 , 74,	4.9	265
221	Modified gravity and its reconstruction from the universe expansion history. <i>Journal of Physics: Conference Series</i> , 2007 , 66, 012005	0.3	260
220	Quantum escape of sudden future singularity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 595, 1-8	4.2	258
219	Gravity assisted dark energy dominance and cosmic acceleration. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 599, 137-142	4.2	249
218	Finite-time future singularities in modified Gauss-Bonnet and $F(R,G)$ gravity and singularity avoidance. <i>European Physical Journal C</i> , 2010 , 67, 295-310	4.2	233
217	Inflationary Cosmology in Modified Gravity Theories. <i>Symmetry</i> , 2015 , 7, 220-240	2.7	230
216	Reconstruction of $f(T)$ gravity: Rip cosmology, finite-time future singularities, and thermodynamics. <i>Physical Review D</i> , 2012 , 85,	4.9	221
215	Cosmological reconstruction of realistic modified $F(R)$ gravities. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 681, 74-80	4.2	219
214	String-inspired Gauss-Bonnet gravity reconstructed from the universe expansion history and yielding the transition from matter dominance to dark energy. <i>Physical Review D</i> , 2007 , 75,	4.9	205

213	Phantom scalar dark energy as modified gravity: Understanding the origin of the Big Rip singularity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 646, 105-111	4.2	205
212	Future evolution and finite-time singularities in $F(R)$ gravity unifying inflation and cosmic acceleration. <i>Physical Review D</i> , 2008 , 78,	4.9	199
211	Modified non-local-. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 821-826	4.2	193
210	Further stable neutron star models from $f(R)$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 040-040	6.4	183
209	Dark energy: the equation of state description versus scalar-tensor or modified gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 634, 93-100	4.2	182
208	Entropy and universality of the Cardy-Verlinde formula in a dark energy universe. <i>Physical Review D</i> , 2004 , 70,	4.9	179
207	Effective equation of state and energy conditions in phantom/tachyon inflationary cosmology perturbed by quantum effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 571, 1-10	4.2	176
206	$f(R, T, R^{\mu\nu})$ gravity phenomenology and Λ CDM universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 437-444	4.2	175
205	Dark energy problem: from phantom theory to modified Gauss-Bonnet gravity. <i>Journal of Physics A</i> , 2006 , 39, 6627-6633		164
204	The new form of the equation of state for dark energy fluid and accelerating universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 144-150	4.2	158
203	Reconstructing the universe history, from inflation to acceleration, with phantom and canonical scalar fields. <i>Physical Review D</i> , 2008 , 77,	4.9	153
202	Brane world inflation induced by quantum effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 484, 119-123	4.2	148
201	Mass-radius relation for neutron stars in $f(R)$ gravity. <i>Physical Review D</i> , 2016 , 93,	4.9	147
200	Bounce cosmology from $F(R)$ gravity and $F(R)$ bigravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 008-008	6.4	146
199	Inflation and late-time cosmic acceleration in non-minimal Maxwell- $F(R)$ gravity and the generation of large-scale magnetic fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008 , 2008, 024	6.4	139
198	Brane-world cosmology in higher derivative gravity or warped compactification in the next-to-leading order of AdS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2000 , 2000, 049-049	5.4	137
197	Maximal neutron star mass and the resolution of the hyperon puzzle in modified gravity. <i>Physical Review D</i> , 2014 , 89,	4.9	134
196	Cosmological and black hole brane-world universes in higher derivative gravity. <i>Physical Review D</i> , 2001 , 65,	4.9	134

195	Born-Infeld quantum condensate as dark energy in the universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 574, 1-7	4.2	127
194	Extreme neutron stars from Extended Theories of Gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 001-001	6.4	125
193	Newton law corrections and instabilities in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 652, 343-348	4.2	124
192	Dark energy from modified . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 651, 224-231	4.2	121
191	Mimetic F(R) gravity: Inflation, dark energy and bounce. <i>Modern Physics Letters A</i> , 2014 , 29, 1450211	1.3	120
190	Quantum (in)stability of dilatonic AdS backgrounds and the holographic renormalization group with gravity. <i>Physical Review D</i> , 2000 , 62,	4.9	120
189	Inflationary cosmology and the late-time accelerated expansion of the universe in nonminimal Yang-Mills-F(R) gravity and nonminimal vector-F(R) gravity. <i>Physical Review D</i> , 2008 , 77,	4.9	116
188	Conformal symmetry and accelerating cosmology in teleparallel gravity. <i>Physical Review D</i> , 2013 , 88,	4.9	114
187	Inflationary universe from perfect fluid and F(R) gravity and its comparison with observational data. <i>Physical Review D</i> , 2014 , 90,	4.9	109
186	Accelerating cosmologies from non-local higher-derivative gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 193-198	4.2	109
185	Models for little rip dark energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 204-211	4.2	108
184	Phantom and non-phantom dark energy: The cosmological relevance of non-locally corrected gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 424-428	4.2	107
183	Crossing of the phantom divide in modified gravity. <i>Physical Review D</i> , 2009 , 79,	4.9	106
182	Viscous cosmology for early- and late-time universe. <i>International Journal of Modern Physics D</i> , 2017 , 26, 1730024	2.2	104
181	Λ CDM universe in f(R) gravity. <i>Physical Review D</i> , 2010 , 82,	4.9	104
180	Conformal anomaly for dilaton coupled theories from AdS/CFT correspondence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 444, 92-97	4.2	101
179	THE MINIMAL CURVATURE OF THE UNIVERSE IN MODIFIED GRAVITY AND CONFORMAL ANOMALY RESOLUTION OF THE INSTABILITIES. <i>Modern Physics Letters A</i> , 2004 , 19, 627-638	1.3	95
178	Dark energy from modified gravity with Lagrange multipliers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 198-208	4.2	93

177	Bouncing loop quantum cosmology from F(T) gravity. <i>Physical Review D</i> , 2013 , 87,	4.9	90
176	The realistic models of relativistic stars in $f(R) = R + R^2$ gravity. <i>Classical and Quantum Gravity</i> , 2017 , 34, 205008	3.3	89
175	Phantom cosmology without Big Rip singularity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 396-403	4.2	88
174	Future singularities and teleparallelism in loop quantum cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 008-008	6.4	88
173	Bouncing cosmology in modified Gauss-Bonnet gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 732, 349-355	4.2	86
172	QUANTUM DILATONIC GRAVITY IN $d=2,4$ AND 5 DIMENSIONS. <i>International Journal of Modern Physics A</i> , 2001 , 16, 1015-1108	1.2	86
171	The oscillating dark energy: future singularity and coincidence problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 637, 139-148	4.2	85
170	Nonperturbative models of quark stars in $f(R)$ gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 160-166	4.2	84
169	Equivalence of the modified gravity equation to the Clausius relation. <i>Europhysics Letters</i> , 2010 , 89, 500036	4.3	84
168	Modified gravity as an alternative for Λ CDM cosmology. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 6725-6732	2	83
167	Accelerating cosmology in modified gravity: From convenient F(R) or string-inspired theory to bimetric F(R) gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2014 , 11, 1460006	1.5	81
166	Nonsingular cosmological model with torsion induced by vacuum quantum effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 162, 92-96	4.2	81
165	Renormalization-group improved effective potential for gauge theories in curved spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 303, 240-248	4.2	80
164	Time-dependent matter instability and star singularity in F(R) gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 451-456	4.2	77
163	Renormalization Group, Effective Action and Grand Unification Theories in Curved Space-Time 1991 , 39, 621-641		76
162	Transition from a matter-dominated era to a dark energy universe. <i>Physical Review D</i> , 2006 , 74,	4.9	75
161	Renormalization-group improved effective Lagrangian for interacting theories in curved spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 321, 199-204	4.2	73
160	Modified Gauss-Bonnet gravity with the Lagrange multiplier constraint as mimetic theory. <i>Classical and Quantum Gravity</i> , 2015 , 32, 185007	3.3	70

159	Trace-anomaly driven inflation in $f(T)$ gravity and in minimal massive bigravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 257-264	4.2	70
158	Modified $F(R)$ Horava-Lifshitz gravity: a way to accelerating FRW cosmology. <i>Classical and Quantum Gravity</i> , 2010 , 27, 185021	3.3	65
157	Modified cosmology from extended entropy with varying exponent. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	64
156	Swampland implications of GW170817-compatible Einstein-Gauss-Bonnet gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135437	4.2	64
155	Noether symmetry approach in Gauss-Bonnet cosmology. <i>Modern Physics Letters A</i> , 2014 , 29, 1450164	1.3	64
154	Unification of constant-roll inflation and dark energy with logarithmic R^2 -corrected and exponential $F(R)$ gravity. <i>Nuclear Physics B</i> , 2017 , 923, 608-632	2.8	64
153	Covariant renormalizable gravity and its FRW cosmology. <i>Physical Review D</i> , 2010 , 81,	4.9	63
152	Correspondence of $F(R)$ gravity singularities in Jordan and Einstein frames. <i>Annals of Physics</i> , 2016 , 373, 96-114	2.5	62
151	Instabilities and anti-evaporation of Reissner-Nordström black holes in modified $F(R)$ gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 735, 376-382	4.2	61
150	Reconstruction and deceleration-acceleration transitions in modified gravity. <i>General Relativity and Gravitation</i> , 2010 , 42, 1997-2008	2.3	61
149	Effective $F(T)$ gravity from the higher-dimensional Kaluza-Klein and Randall-Sundrum theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 725, 368-371	4.2	60
148	Ghost-free . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 377-383	4.2	60
147	The role of energy conditions in $f(R)$ cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 99-106	4.2	59
146	Born-Infeld gravity and its functional extensions. <i>Physical Review D</i> , 2014 , 90,	4.9	58
145	Magnetic neutron stars in $f(R)$ gravity. <i>Astrophysics and Space Science</i> , 2015 , 355, 333-341	1.6	57
144	Anti-evaporation of Schwarzschild-de Sitter black holes in $F(R)$ gravity. <i>Classical and Quantum Gravity</i> , 2013 , 30, 125003	3.3	57
143	Cosmological perturbations in a mimetic matter model. <i>Physical Review D</i> , 2015 , 91,	4.9	56
142	Screening of cosmological constant in non-local gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 696, 278-282	4.2	55

141	Superbounce and loop quantum ekpyrotic cosmologies from modified gravity: F(R), F(G) and F(T) theories. <i>Annals of Physics</i> , 2015 , 363, 141-163	2.5	52
140	Quantum evolution of Schwarzschild-de Sitter (Nariai) black holes. <i>Physical Review D</i> , 1999 , 59,	4.9	52
139	Rectifying Einstein-Gauss-Bonnet inflation in view of GW170817. <i>Nuclear Physics B</i> , 2020 , 958, 115135	2.8	52
138	Inflation in a viscous fluid model. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	49
137	Relativistic stars in de Rham-Gabadadze-Tolley massive gravity. <i>Physical Review D</i> , 2016 , 93,	4.9	48
136	Viable mimetic F(R) gravity compatible with Planck observations. <i>Annals of Physics</i> , 2015 , 363, 503-514	2.5	46
135	Gauss-Bonnet dark energy by Lagrange multipliers. <i>Physical Review D</i> , 2013 , 87,	4.9	45
134	One-loop effective action for non-local modified Gauss-Bonnet gravity in de Sitter space. <i>European Physical Journal C</i> , 2009 , 64, 483	4.2	45
133	Is the future universe singular: Dark matter versus modified gravity?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 686, 44-48	4.2	45
132	Deceleration versus acceleration universe in different frames of F (R) gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 766, 225-230	4.2	44
131	R+R ² loop quantum cosmology. <i>Physical Review D</i> , 2014 , 89,	4.9	44
130	Extended gravity description for the GW190814 supermassive neutron star. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135910	4.2	44
129	Bounce universe from string-inspired Gauss-Bonnet gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 001-001	6.4	43
128	Holographic inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134829	4.2	42
127	Scalar dark energy models mimicking Λ CDM with arbitrary future evolution. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 145-153	4.2	42
126	Cardy-Verlinde formula in FRW Universe with inhomogeneous generalized fluid and dynamical entropy bounds near the future singularity. <i>European Physical Journal C</i> , 2010 , 69, 563-574	4.2	42
125	Can primordial wormholes be induced by GUTs at the early Universe?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 458, 19-28	4.2	42
124	Is exponential gravity a viable description for the whole cosmological history?. <i>European Physical Journal C</i> , 2017 , 77, 862	4.2	39

123	Reconstruction of scalar field theories realizing inflation consistent with the Planck and BICEP2 results. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 374-378	4.2	39
122	Inflationary phenomenology of Einstein Gauss-Bonnet gravity compatible with GW170817. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134874	4.2	38
121	Inflationary universe in F(R) gravity with antisymmetric tensor fields and their suppression during its evolution. <i>Physical Review D</i> , 2019 , 99,	4.9	38
120	Variety of cosmic acceleration models from massive F(R) bigravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 020-020	6.4	38
119	(Anti)de Sitter black holes in higher derivative gravity and dual conformal field theories. <i>Physical Review D</i> , 2002 , 66,	4.9	38
118	EFFECTIVE ACTION FOR CONFORMAL SCALARS AND ANTI-EVAPORATION OF BLACK HOLES. <i>International Journal of Modern Physics A</i> , 1999 , 14, 1293-1304	1.2	38
117	Precision predictions for the primordial power spectra from f(R) models of inflation. <i>Nuclear Physics B</i> , 2016 , 911, 318-337	2.8	38
116	Screening of cosmological constant for de Sitter Universe in non-local gravity, phantom-divide crossing and finite-time future singularities. <i>General Relativity and Gravitation</i> , 2012 , 44, 1321-1356	2.3	37
115	Dynamics of inflation and dark energy from F(R,G) gravity. <i>Nuclear Physics B</i> , 2019 , 938, 935-956	2.8	36
114	Gauss-Bonnet gravitational baryogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 259-262	4.2	36
113	From neutron stars to quark stars in mimetic gravity. <i>Physical Review D</i> , 2016 , 94,	4.9	36
112	Inflationary cosmology in unimodular F(T) gravity. <i>Modern Physics Letters A</i> , 2017 , 32, 1750114	1.3	35
111	Born-Infeld f(R) gravity. <i>Physical Review D</i> , 2014 , 90,	4.9	35
110	Inflation in a conformally invariant two-scalar-field theory with an extra (R ²) term. <i>European Physical Journal C</i> , 2015 , 75, 1	4.2	34
109	Possible antigravity regions in F(R) theory?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 136-140	4.2	34
108	Cosmological bound from the neutron star merger GW170817 in scalar-tensor and F(R) gravity theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 425-429	4.3	33
107	Constant-roll inflation in f(T) teleparallel gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 026-026	6.4	33
106	Unimodular F(R) gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 046-046	6.4	33

105	Ghost-free $F(R)$ gravity with Lagrange multiplier constraint. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 44-49	4.2	32
104	One-loop modified gravity in a de Sitter universe, quantum-corrected inflation, and its confrontation with the Planck result. <i>Physical Review D</i> , 2014 , 90,	4.9	32
103	Is brane cosmology predictable?. <i>General Relativity and Gravitation</i> , 2005 , 37, 1419-1425	2.3	32
102	Inflationary dynamics with a smooth slow-roll to constant-roll era transition. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 041-041	6.4	31
101	Dark energy generated from a (super-) string effective action with higher-order curvature corrections and a dynamical dilaton. <i>European Physical Journal C</i> , 2008 , 53, 447-457	4.2	31
100	Singular inflation from generalized equation of state fluids. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 310-320	4.2	30
99	Renormalization-group improved effective potential for finite grand unified theories in curved spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 333, 331-336	4.2	30
98	Extended matter bounce scenario in ghost free $f(R,G)$ gravity compatible with GW170817. <i>Nuclear Physics B</i> , 2020 , 954, 114984	2.8	30
97	Logarithmic-corrected R^2 gravity inflation in the presence of Kalb-Ramond fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 017-017	6.4	29
96	The reconstruction of $f(R)$ and mimetic gravity from viable slow-roll inflation. <i>Nuclear Physics B</i> , 2018 , 929, 79-112	2.8	29
95	Spotting deviations from R^2 inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 060-060.4	6.4	29
94	Quasimatter domination parameters in bouncing cosmologies. <i>Physical Review D</i> , 2015 , 91,	4.9	29
93	Non-minimal two-loop inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 745, 105-111	4.2	28
92	Confronting dark energy models mimicking Λ CDM epoch with observational constraints: Future cosmological perturbations decay or future Rip?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1194-1202	4.2	28
91	Correspondence of cosmology from non-extensive thermodynamics with fluids of generalized equation of state. <i>Nuclear Physics B</i> , 2020 , 950, 114850	2.8	28
90	Causal limit of neutron star maximum mass in $f(R)$ gravity in view of GW190814. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 816, 136222	4.2	28
89	A proposal for covariant renormalizable field theory of gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 691, 60-64	4.2	27
88	Quantum (in)stability of 2D charged dilaton black holes and 3D rotating black holes. <i>Physical Review D</i> , 1999 , 59,	4.9	27

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